



# The SPARC

Volume XII, Number 8; August 2000  
Newsletter of the Boston Amateur Radio Club  
<http://www.barc.org/barc>  
Email: [w1bos@arrl.net](mailto:w1bos@arrl.net)



## A Message from the President

Mark Duff KB1EKN

It is with a great sense of pride that I assume the role of President of the Boston Amateur Radio Club. Although I have been a member of BARC only a short time, I have received a tremendous amount of support from everyone. To our outgoing Officers Ed Hennessey and Mike Ardai, *A sincere thank you and job well done!* To the newly elected and reelected officers, please give them all the support you can. I encourage everyone to get involved with club activities. It's your club and the officers have endeavored to make it interesting and fun for all of us, however we need your support. Feel free to contact me with any suggestions or ideas you may have.

Although planning started late, Field Day was a great success. We have already begun planning next years in an effort to make it the best ever. Current projects include a field deployable 2 meter/70 cm go kit to be used at the many public service events the club participates in. We also hope to add HF capability to it in the future. Boston is the Educational, Medical, Historical, Cultural and Sports Centers of the World. Think of MIT and Harvard, Mass General Hospital, the Boston Tea Party, Boston Symphony and Boston Pops, the Red Sox. It all began here in this great city. Lets all work together to make BARC the "Ham Capitol" of the world as well.

## Hams Needed for Jimmy Fund Marathon Walk

To benefit the Jimmy Fund, a walk along the 26-mile Marathon route will be held again this year on Sunday, 24 September. The Walk is sponsored by the Dana Farber Cancer Institute to support cancer research for children. Like the Boston Marathon, it is produced by the Boston Athletic Association (BAA).

The BAA has once again asked BARC to coordinate the emergency and administrative communications along the route of the Jimmy Fund Marathon Walk. Some of the technical operations are tested here for the Boston Marathon, increasing the value of the participating hams. This Walk is a less intense way for hams who are new to public service events to get the experience needed to qualify them for participation in the 2001 Boston Marathon.

Working directly for the BAA, we have been requested to staff 13 to 15 Walker Support stations. These stations provide water, food and rest. Many of the stations will have Red Cross First Aid

services. The Finish Medical areas and the Supervisory functions will also be covered.

Our ham operation is expected to be on 2 meters and 70 cm, with approximately 25 to 28 hams needed. Your help is valuable. If you are available for this important public service event (even if you have not participated before), please call Bob Salow, WA1IDA, at 508.650.9440 from 0900 to 2300 or send email to [walida@arrl.net](mailto:walida@arrl.net) as soon as possible.

## All You Can Eat and Public Service, Too

Here's a ham public service event where the reward might be better than the job. WGBH, the public TV channels 2 and 44, and FM radio, will hold its annual Ice Cream FunFest on both Saturday, 9 Sept. and Sunday, 10 Sept. at and around the WGBH station on Western Avenue in Allston.

As in past years, thousands of people are expected. We have been asked to provide communications for the safety and management of the crowd and their vehicles. It's a compact area, so 2-meter simplex HTs can be used. About 14 to 16 hams are needed each day.

Although such a good cause (and good publicity for us) doesn't need it, here's the good part: all volunteers get to eat all the ice cream you can consume (urp!). 5-6 manufacturers provide the ice cream, so you can make comparative tests (urp, urp!).

If you can help either or both days (from 1100 to 1600), get more information by calling Bob Salow, WA1IDA, at 508.650.9440, or email to [walida@arrl.net](mailto:walida@arrl.net).

## And Now The Bonuses --

Prior to our operation on Saturday, WGBH has graciously agreed to give us a technical tour of the WGBH studios. Unknown at press time, the time will be provided when you contact Bob to volunteer.

WGBH has also offered to invite the participating hams' families (kids and all) to the Ice Cream FunFest at no charge. Let Bob know how many complimentary tickets you would like.

## **ARRL New England Division Convention - Boxboro**

Please set aside the weekend of August 26-27 for the ARRL New England Division Convention in Boxborough, MA, at the Holiday Inn Conference Center (exit 28 off of I-495). This is a big event with a full schedule of interesting talks and presentations, flea market, lots of vendors, and a big crowd of people from all over the northeastern USA.

This year's events feature presentations by FCC's Riley Hollingsworth, K4ZDH, and new ARRL President Jim Haynie, W5JBP.

Watch the Boxboro web site for more details

<http://www.boxboro.org/>

### **Field Day 2000 Post Mortem**

Mike Coffey KB1EYL

By all accounts this year's Field Day went quite well. Although their help and advice was available (and appreciated,) most of the organizers of the last few years had previous commitments. The event was run on a 6A status, even though it started as 3A. Enough stations, and hams to run them, were available shortly after the start. This suggests that we can run at this level and have a station or two for public use. As the club was not really aiming at a contest operation, opinion was that having an extra station available wouldn't hurt.

Unfortunately, I was unable to get exact commitments from many people as to when and if they would come to operate. Several people that I talked to said that they would probably stop by to operate late at night or after work, but never showed up. We experienced a period from about 2a.m. to 4-5a.m. during which most stations were off the air. N1FCR did stay up and monitor HF on my 756, so someone was up while the rest of us slept. We also lost the 3<sup>rd</sup> HF station Sunday morning due to a problem with the club's G5RV.

The power situation: I was concerned with generators, but N1VUX's excellent unit did a stand-up job of running the operation by itself. We did have a bit of a problem with voltage stability when we tried to run two 500W floodlights, so we just ran one of them.

Mark, KB1EKN and his wife handled the food real well. As in previous years, liquid refreshments (soda and water) went quickly. I made a supply run for four or five cases of soda just before startup, and this tided up over.

It has been mentioned that it would be a good idea to have a separate marshalling area, perhaps with its own storage tent. A large amount of "stuff" ended up at the public table and had to be moved back a bit. One of the club's easy-ups was used to cover it all.

We also need to notify the media much sooner, a week (or even two) is not nearly enough. Most major newspapers require a month or more to get an announcement into a calendar section, and TV stations may require even more time. Close to the event, they should be reminded with a follow-up.

Several of us used BARC-list to correspond before Field Day. It is a good forum for discussion. If you want to comment to me on BARC-list, I will respond as time permits. It would help for next year's planning to present any notes on this year's Field Day early.

BARC's Field Day scores are at:

<http://world.std.com/~wdr/x/fd/w1bos.sum.txt>

Photos from Field Day are in folder:

<http://world.std.com/~wdr/x/fd/>

### **Net Control 101 Returns**

On Monday night, September 11, we will run a practice net on 145.23 after the regular 9pm BARC net. Arthur Ashley N1NHZ will be NCS. People who have never run a net before will get to try their hand at being NCS of a simulated traffic net. Net control skills are important to those interested in disaster/emergency communications. We strongly urge members of ARES, RACES and SATERN to attend. Net Elmers will be on hand to guide and advise in net operations. Of course, people are needed to check in also. So, after the BARC net is over, hang around and join the practice!

### **SPARC Profile: N1NHZ**

This month, we introduce you to BARC member and Membership Services chairman Arthur Ashley, N1NHZ.

At some point all of us have no doubt met or come into contact with Arthur Ashley, N1NHZ. Sixty-nine years young, Arthur was born in Huntington, N.Y. He graduated from the SUNY College of Environmental Science and Forestry, and moved to Cambridge in 1959 to work for the US Fish and Wildlife. While at Fish and Wildlife, Arthur traveled extensively. "I was on the road about 50 percent of the time in the Northeast region." Arthur eventually left his government job, but he made a conscious decision to stay in the Harvard Square area. Most recently, Arthur worked at the Harvard Cooperative Society before retirement.

Over the years, Arthur has been an active member of Community Boating. He is a lifetime member. Although he doesn't get out on the water, Arthur considers himself a part of the "rocking chair fleet." "I still occasionally go there to look up old friends and go out to dinner."

Arthur was very active in local politics. He was a member of the Cambridge Civic Association. Arthur also served as president for the Cambridge Young Republicans. "During my one year term of office in the Young Republicans, there was probably not a single

24-hour period in which I did not make a phone call, write a letter or do something political," Arthur recalls.

"As I got closer to retirement I wanted to expand my horizons and acquire new skills. It boiled down to learning to play a musical instrument, or ham radio." Luckily, Arthur's long time friend, Paul Katz, N1LRT (another Community Boating member) introduced Arthur to ham radio, and to the Boston Amateur Radio Club.

"I took my Novice/Tech in the summer of '92. One of my first encounters with hams was at a BARC pre-meeting dinner at the Deli House in Kenmore Square. It was a very positive experience," Arthur recalls. "I was particularly intrigued by Scott Ehrlich (WY1Z), who had all the Field Day logs spread on the dinner table. He was manually processing field day logs, and he explained to me how the scoring worked."

Arthur was at first intimidated by the fact that he had no background in electronics. "I had had courses in electricity years ago, but none in the post-WWII era. So I wondered how I was going to fit in." However, Arthur soon found his ham radio "niche" with his first public service assignment at the Head of the Charles Regatta in October 1992. "I enjoyed that experience very much. I was paired up with Norm Darish (KA1ZLW). He taught me public service 'survival skills.'" Arthur explains that the Regatta event was a tremendous emotional experience for him. "I remember thinking, 'I hope that I helped somebody today.'"

Arthur became more active in BARC activities a bit later, when club president John Garrett, WN9T, tapped him to be the club's Membership Services chair. "I thought, 'Gee, what a neat spot to be active in for a guy who doesn't have any electronics background.'" Arthur recalls commenting at a BARC meeting, "I don't even know what end of the soldering iron to pick up." Mike Ardai, N1IST, overheard him and responded, "Arthur, that's a mistake you only make once!" It's safe to say that Arthur knows which end of the iron to pick up, and that he no longer feels out of place from a lack of technical expertise.

He's very happy with his membership services duties. "I am still chairman of the BARC membership services committee, which has one full member and 150 associate members!"

Following the Head of the Charles Regatta, Arthur became active in other public service events, in part from the enthusiasm and encouragement of Bob Salow, WA1IDA. That interest grew into emergency communications and subsequent experiences with ARES and RACES. Arthur spent this past New Year's Eve at the Cambridge Emergency Management Agency with other hams, in the event of any possible Year 2K emergency. "The high point was the wonderful Chinese food buffet courtesy of the City. Since there was no Y2K meltdown, I pigged out on Chinese food." Arthur adds that his Y2K /EMA activities were conducted under the leadership of Joe Fratto, N1RLO, Cambridge's RACES Officer. At the present time, Arthur is looking over the ARRL Emergency Coordinator open book exam. "I am seriously studying the material to take the exam to become an EC."

From his years of ham radio experience, Arthur shares these insights with other BARC members: "Look at ham radio books and magazines, and get a feeling for the entire spectrum of ham radio activities. Become involved in the aspects that interest you. There is something here for all of us, regardless of our backgrounds and skills."

Arthur concludes, "I'm not into building kits or soldering connections, but I can certainly understand the excitement and pleasure that people derive from those activities. I'm having a fun time in ham radio!"

Phil Temples  
[phil@temples.com](mailto:phil@temples.com)

## BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which is August 13 this month. We'll be meeting at the Old Country Buffet at the Watertown Mall at 8:30am. They are *very* good, offering an extensive breakfast buffet, costing \$6.35 per person.

We just intend to get together, socialize and eat, without having any formal club events or business. Family and friends of club members are welcome also. If you are not a BARC member, you too are invited to meet with us and see what we're all about.

The Old Country Buffet is in the Watertown Mall, on Arsenal St. in Watertown. From Memorial Drive continue on Greenough Boulevard to the Watertown exit, and then turn right onto Arsenal St. There is plenty of mall parking. The #70 T bus from Central Square Cambridge to Watertown Square stops right at the Watertown Mall. Hope to see all of you there – and bring your appetite!

## New and Old Hams Join ARRL

Does secure spectrum at 7 MHz or at 2.4 GHz mean something to you? It should! Those bands are not fully for hams, but they could become ours worldwide through the difficult international negotiations by ARRL.

Now is the time to join the ARRL, the National Organization for Amateur Radio. Spectrum protection, legal support, technical help, national and international representation, and soon *QST* in full color are only a few of the benefits. Restructuring has encouraged a rush of new hams, and we want you on the inside.

The vast majority of BARC members are ARRL members. Whether you are joining ARRL for the first time, or are renewing, please sign up through BARC. In either case, **make your check out to BARC** and give it and the ARRL membership form to the BARC Treasurer. He will handle the rest, and you will get all the benefits, and so will the club.

## Badge, Anyone?

As all members should know, BARC provides a call sign identification badge for all licensed members at no charge. Upon joining the club the badges are eagerly awaited. OK, so why are badges lying around with no ham to pin them on? The answer is simple, but the reasons may not be.

The badges are made in batches, so a new member may experience a wait of a few weeks or months (depending on the production cycle). The accumulated badges are then brought to club meetings for distribution. *You must attend a meeting to get your badge!* It's not much of an inducement, but besides, you will find the meetings informative, fun and a helpful exchange between you and the other members. Mailing badges is cost prohibitive, so now you know how to get yours.

If you change your call sign, or otherwise have a change for your badge, tell the Keeper of the Database, WAIDA, and a new badge will be ordered.

## July General Meeting

This month's general meeting will be held at the Boston Back Bay Salvation Army Building, at 7:30 PM, Thursday August 17. This month, Steve Schwarm, W3EVE, will speak about ARES.

BARC General meetings are held at the Boston Back Bay Salvation Army Building, corner of Berkeley St. and Columbus Ave. near Copley Square, in the second floor auditorium.

Parking is available; the entrance to the parking lot is from Columbus Ave. (across the street from the firehouse). It is also T accessible; the nearest T stations are Back Bay on the Orange and Purple lines (exit the rear of the station by the busway and walk down Columbus) and Copley or Arlington on the Green line (use the Berkeley Street exit). A map appears on page 7 of the newsletter.

## Future General Meeting Dates

(Third Thursdays at 7:30 p.m.)

21 September 2000  
19 October 2000  
16 November 2000  
21 December 2000 (Holiday Dinner)  
18 January 2001  
15 February 2001

## Catch us on the Internet!

The Boston Amateur Radio Club has a web page at <http://www.barc.org/barc>. Here you can find some of the latest BARC news, sample exams, maps to our meetings and VE sessions, links to other radio clubs, and a club roster (only names,

callsigns, and e-mail addresses are on-line). If you have any suggestions, please let me know at [n1list@arrrl.net](mailto:n1list@arrrl.net).

New on our web page are the club articles:

<http://www.barc.org/barc/articles.html>

and bylaws:

<http://www.barc.org/barc/bylaws.html>.

We also run an FTP site at [ftp.barc.org](ftp://ftp.barc.org) under **pub/hamradio**. We've got a mirror of the ARRL infoservert, BARC documents, ham radio software, and a huge mods archive. Cheyenne Greatorex, [n1qzs@magrathea.com](mailto:n1qzs@magrathea.com), maintains the FTP site. Contact him if you have any comments.

We also run a club e-mail list. To subscribe, send a message to [majordomo@qth.net](mailto:majordomo@qth.net) with the body (the subject is ignored)

*subscribe barc-list*

The welcome message will list the other lists that we have over at Netcom. (Yes, I know it isn't on the radio. It is, however, an additional resource for getting in touch with other hams around the world...)

73, /mike

[n1list@arrrl.net](mailto:n1list@arrrl.net)

## Boston Amateur Radio Club Business Meeting

The Boston Amateur Radio Club holds its monthly Business meeting on the first Thursday of each month. The next one will be on Thursday, September 7 in the food court of the Cambridge Galleria Mall in Cambridge. We meet at 6:30pm in the lower level, down by the windows facing the lagoon.

This is where the real business of BARC is conducted. If you have any suggestions, questions, or comments, this is where to bring them. All members are welcome (and encouraged) to join us at this meeting.

## Future Business Meeting Dates

(First Thursday at 6:30 p.m.)

5 October 2000  
2 November 2000  
7 December 2000  
4 January 2001  
1 February 2001

## Upgrades 'R' Us

Without going into details, which are covered elsewhere, the FCC restructuring is likely to result in license upgrades for some of us. If you are one of the lucky (clever?) ones, please keep our database up to date. *Regardless of whether you change call sign,*

an upgrade is an upgrade. Please notify the Keeper of the Database, Bob Salow, WA1IDA.

## BARC Growth

It's a rare month when we fail to add a few new members. Periodically we publish their names so that you can give them a special welcome. There may also be some long lost members who rejoin, so greet them, too.

Frank Bolding	KB1FMA
Eric Dresser	KB1FHS
Ian MacLennan	AF1R
David Schakett	KB1FES

In addition, we would like to note here any call sign changes you have made, and honor all members who upgrade. If you fit any of these categories, please promptly notify the Keeper of the Database, Bob Salow, WA1IDA at 508.650.9440 or email: [walida@arrl.net](mailto:walida@arrl.net).

## BARC VE Session

The Boston Amateur Radio Club holds its monthly VE session on the second Monday of each month. The next session will be at 7pm on Monday, August 14 at the Pierce School at 50 School Street in Brookline, Room 110 next to the cafeteria.

There is a free parking garage at the circular driveway. If driving, enter School Street from the Washington street side (opposite 394 Washington,) rather than from Harvard Street. Check:

[http://www.barc.org/barc/school\\_map.gif](http://www.barc.org/barc/school_map.gif)

for more info. This map also appears on page 7 of this newsletter.

For those traveling via public transportation, take the "D" branch of the Green Line to the Brookline Village station. Walk north along Harvard Street 0.2 miles to School Street then turn left. The Pierce School is on the left. The #66 bus runs on Harvard Street, crossing School Street.

Talk in on 145.23(-), PL 88.5.

We give all exams (Novice thru Extra, CW and written), and you don't need to pre-register. Please bring the following with you:

- Your current license *and a photocopy for the ARRL*, if you are upgrading
- Any CSCE's you are claiming, and a photocopy of them
- Valid ID (picture ID preferred)
- A pen and a calculator (if you want to)
- \$6.65 (good for all the tests you take at that session, except for retests).

The needed FCC forms will be provided.

For further information, contact

Bob Wondolowski N1KDA  
(508) 865 5822  
[wondobob@juno.com](mailto:wondobob@juno.com)

## Future Exam Dates

(Second Mondays at 7:00 pm)

11 September 2000  
16 October 2000 (*NOTE: not 9 October*)  
13 November 2000  
11 December 2000  
8 January 2001  
12 February 2001

## I See the Future

13 Aug	BARC Breakfast
13 Aug	Mohawk ARC Flea (Orange)
14 Aug	BARC VE Session
17 Aug	BARC General Meeting
20 Aug	MIT Flea
20 Aug	NoBARC Flea (Adams)
25-27 Aug	Eastern V/UHF Conference (Enfield CT)
26-27 Aug	ARRL NE Div Conv (Boxboro)
7 Sept	BARC Business Meeting
9 Sept	Technical Tour of WGBH
9-10 Sept	WGBH Ice Cream FunFest
10 Sept	BARC Breakfast
10 Sept	SEMARA Flea (S Dartmouth)
11 Sept	Net Control 101
11 Sept	BARC VE Session
16 Sept	RI FMRS Flea (Forestdale RI)
17 Sept	MIT Flea
21 Sept	BARC General Meeting
24 Sept	Jimmy Fund Marathon Walk ( <b>Rp</b> )
6-7 Oct	Hoss Traders Flea (Rochester NH)
8 Oct	Chancellor Challenge 100K Race ( <b>Rp</b> )
15 Oct	MIT Flea
16 Oct	BARC VE Session
4 Nov	Interstate RC Flea (Londonderry NH)
5 Nov	Framingham ARA Flea
18 Nov	Waltham ARA/1200RC Auction (Newton)

(**Rp**) = Repeater may be used

As you might expect, there are many more events (public service, hamfests, flea markets, etc.) taking place - some only peripheral to ham radio. For information on these, covering New England and some of New York, the "Ham - Electronic Flea Market" and the "PSLIST" lists tell the story. They are posted by e-mail to [barc-list](mailto:barc-list) and on PBBSs regularly. If needed, contact any club member who has access to these.

## BARC Net Preamble

Any further business for the repeater before we begin the Boston Amateur Radio Club Net? This is <<YOUR CALL>>.

Calling the Boston Amateur Radio Club net. This is <<YOUR CALL>>, my name is <<YOUR NAME>> and I am located in <<YOUR TOWN>>. This net meets each Monday evening at 9 PM Eastern Time on the 145.23 Boston repeater, PL 88.5. This net is an informal round table discussion concerning matters of interest to the members of the Boston Amateur Radio Club and the Boston Amateur radio community in general. When checking into the net, please say, "this is" and drop your carrier to check on doubling. Then give your call sign, name and location. All amateurs are welcome to join the net. Any checkins for the Boston Amateur Radio Club net please call now.

Is there any further business for the net before I close?

Hearing nothing, this is <<YOUR CALL>> closing tonight's session of the Boston Amateur Radio Club Net. I would like to thank everyone who participated in the net and those who stood by while I ran the net. The Boston Amateur Radio Club net will return next Monday evening at 9 PM Eastern Time. This is <<YOUR CALL>> returning the repeater to general amateur use. 73.

## Net Volunteers Needed

The Eastern Massachusetts 2M Traffic Net, the Heavy Hitters' Traffic Net, and the BARC Club Net are always in need of volunteers to act as Net Control Station. This is excellent practice for emergency communications, and also an opportunity to sharpen your operating skills among a friendly group of people. For further information please contact Mike Ardai N1IST.

## Eastern Mass Public Safety Net

The EMA Public Safety Net will be held every Tuesday at 9 p.m. on 145.230. The net is a forum type net for Public Safety subjects. All Amateurs are welcome.

Any input for the net should be sent to net manager KA1TTG Bob Ankenbauer (Somerville MA PD)

Email: ka1ttg@juno.com

73 Dick  
rcdoherty@gis.net

## FCC launches CORES

The FCC has begun implementing the Commission Registration System, known as CORES. While the action has few immediate implications for Amateur Radio licensees, CORES registration eventually will replace Universal Licensing System, or ULS, registration.

Described as an agency-wide registration system for anyone filing applications with or making payments to the FCC, CORES will

assign a unique 10-digit FCC Registration Number, or FRN to all registrants. The FCC says use of the FRN will allow it to more rapidly verify fee payment.

The on-line filing system and further information on CORES is available by visiting the FCC Web site, <http://www.fcc.gov> and clicking on the CORES registration link.

For the time being, using an FRN is voluntary, although the Commission says it will consider making it mandatory in the future for anyone doing business with the FCC.

CORES registration will supplant ULS registration, but the ULS will remain the licensing database system for Wireless Telecommunications Bureau licensees, including amateurs. For now, the ULS remains available to new registrants. Amateurs who registered in the ULS prior to June 22 automatically have been registered in CORES and will receive an FCC Registration Number in the mail. ULS registrants also may search for their FRN on-line at the FCC's CORES Web site.

A copy of the FCC Public Notice on CORES/FRN is available at <http://www.arrl.org/announce/regulatory/da001596.pdf>

From ARRL Bulletin 29  
ARRL Headquarters  
Newington CT July 21, 2000

## Several Hundred Boston Area Hams Could Be Reading Your Ad Right Now

*The SPARC* accepts commercial advertisements. BARC encourages monthly promotion of your products and services which would be of interest to our hundreds of members and others interested in the Amateur Radio Service.

Rates for display advertising are:

1 col x 2 in. (business card)	\$10 per issue
1 col x 2 in. (business card)	\$50 per 6 consecutive months
1 col x 2 in. (business card)	\$90 per 12 consecutive months
1 col x 4 in. (1/2 col)	\$20 per issue
1 col x 9.5 in. (full col)	\$40 per issue

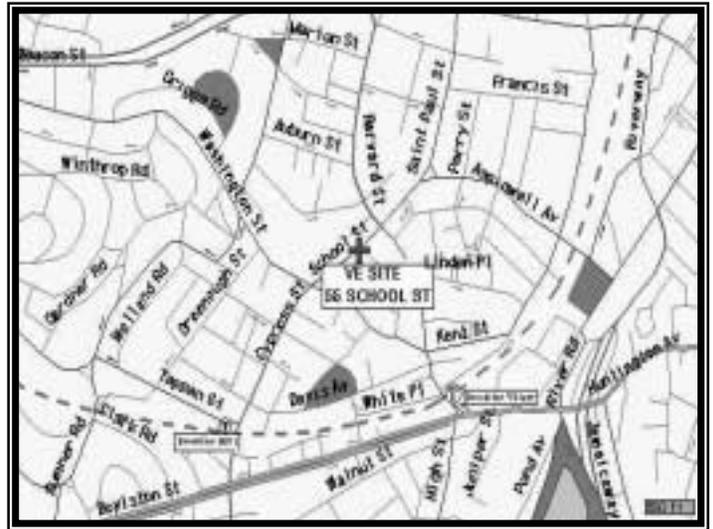
Originals of ads must be presented to the Editor in MS Word or .jpg format to print 1:1. Other composition will be at extra cost. We will be glad to quote other ad sizes and durations.

Members are urged to seek prospective advertisers who are appropriate to our readers.

For additional information, contact Paul Carter at [n1tmf@pvcronics.com](mailto:n1tmf@pvcronics.com) or 617.232.6982; or Bob Salow at [walida@arrl.net](mailto:walida@arrl.net) or 508.650.9440.



General Meeting – Boston Salvation Army  
 Corner of Berkeley St. and Columbus Ave.



VE Session – Pierce School  
 50 School Street, Brookline, Room 110 next to the cafeteria

### BARC Officers and Staff

President: Mark Duff, KB1EKN	781.749.7664; emgmt@mediaone.net
Vice President: Dick Doherty; KA1TUZ	617.969.4880; ka1tuz@gis.net
Secretary: Guy Bzibziak, KB1CRY;	781.321.1104; kb1cry@arrl.net
Treasurer: Jim Clogher, N1ICN,	617.364.4658; n1icn@gis.net
Vol Exams: Bob Wondolowski, N1KDA;	508.865.5822, wondobob@juno.com
Membership: Arthur Ashley, N1NHZ;	617.661.2988, n1nhz@arrl.net
Public Service: Bob Salow, WA1IDA;	508.650.9440; walida@arrl.net
Newsletter Editor: Paul Carter, N1TMF;	617 232 6982; n1tmf@pvctronics.com

The Boston Amateur Radio Club is a non-commercial association of persons interested in the Amateur Radio Service. The Club is organized for the promotion of interest in Amateur Radio communication and education, for the establishment of emergency communications in the event of disasters or other emergencies, for the advancement of the radio art and the public welfare, for the representation of the radio amateur in legislative and regulatory matters, and for the maintenance of collegiality and a high standard of conduct.

The Club is open to all persons interested in Amateur Radio without regard to race, color, religion, creed, national origin, gender, disability, or sexual preference. Our General and Business meeting locations are handicap accessible. Other meeting and activity locations may be handicap accessible by arrangement.

The Club is an ARRL-affiliated Special Service Club, and is a member of the Council of Eastern Massachusetts Amateur Radio Clubs (CEMARC) and the New England Spectrum Management Council (NESMC). The Club is a participant in Partnerships Advancing Technical Hobbies Which Attract Youth to Science (PATHWAYS). The Club is also an associate member of the Courage Handi-Hams system.

The SPARC is published monthly by the Boston Amateur Radio Club. The design and content are Copyright 2000, all rights reserved. Permission is hereby granted to reprint or distribute by electronic or other means any material herein, provided this publication and the issue date are credited. Such permission is limited to use for non-commercial purposes for the benefit of the Amateur Radio community. Permission for other purposes must be obtained in writing.

### Greater Boston Net Directory

daily 5:30pm	Eastern Mass/Rhode Island Phone Net (NTS)	3.915
daily 7 and 10pm	Eastern Mass/Rhode Island CW Net (NTS)	3.658
daily 8pm	Eastern Mass 2M Traffic Net (NTS)	145.23 (PL 88.5)
daily 8pm	Slow Speed CW Net	28.160
daily 10:30pm	Heavy Hitters' Traffic Net (NTS)	146.64
M 9pm	BARC Club Net	145.23 (PL 88.5)
Tu 8pm	MMRA Club Net	146.61 and all MMRA links
Tu 9pm	EMA Public Safety Net	145.23 (PL 88.5)
Tu 9pm	NETARC Satellite Net W1ME (ex K1MON)/NCS	446.575 (PL 88.5)
W 8pm	Wellesley Amateur Radio Society Net	147.03
W 9pm	HHTN Swap Net	146.64
Th 8:30pm	Amsat Net N1OHJ/NCS	146.64
F 9pm	SATERN Net	145.23 (PL 88.5)
Su 9:30am	Yankee SSB Net (6M)	50.275
Su 3:30pm	Youth Net	3.970
Su 7pm	Algonquin Amateur Radio Club Net	53.470 (PL 100.0/71.9), 223.860 (PL 241.8), 446.675 (PL 88.5)
Su 8:30pm	NSRA Net (with Newline)	145.47
Su 9:30pm	EMA Section ARES Net	146.61 and all MMRA links
(4 <sup>th</sup> Sun. of Month)		